

1713

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

NATHAN E. STACY
LARRY L. NASH
JOHN D. HOTTOVY

Serial No.: 10/705,704

Filed: November 10, 2003

For: MONOVINYLAARENE/CONJUGATED
DIENE COPOLYMERS HAVING LOWER
GLASS TRANSITION TEMPERATURES

Group Art Unit: 1713

Examiner: Unknown

Attorney Docket: 2039.017800/RFE
(PI210405)

CUSTOMER NO. 37774

INFORMATION DISCLOSURE STATEMENTCommissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING (37 C.F.R. § 1.8)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below.

March 1, 2004


Cynde Meinhardt

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed journal articles required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner. Because the filing date of the present application is after June 30, 2003, copies of the listed U.S. patents are not included.

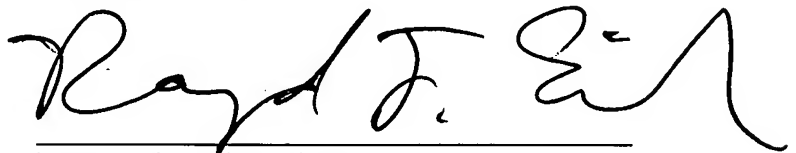
In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Director is hereby authorized to deduct said fees from Williams, Morgan & Amerson, P.C., Deposit Account No. 50-0786/2039.017800RFE.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

WILLIAMS, MORGAN & AMERSON, P.C.
CUSTOMER NO. 37774

A handwritten signature in black ink, appearing to read "Raymund F. Eich", written over a horizontal line.

Raymund F. Eich, Ph.D.
Reg. No. 42,508
10333 Richmond, Suite 1100
Houston, Texas 77042
(713) 934-4065
(713) 934-7011 (fax)

AGENT FOR APPLICANTS

March 1, 2004

Form PTO-1449 (modified)

Atty. Docket No.
2039.017800/RFESerial No.
10/705,704

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
November 10, 2003Group:
UnknownU.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	6,265,485	07/24/2001	Trepka et al.	525	98	11/12/1997
	A2	6,265,484	07/24/2001	Trepka et al.	525	98	11/07/1997
	A3	5,227,419	07/13/1993	Moczygemba et al.	524	128	12/20/1990
	A4	4,704,435	11/03/1987	Kitchen	525	250	03/24/1986
	A5	4,704,434	11/03/1987	Kitchen et al.	525	250	03/24/1986
	A6	4,584,346	04/22/1986	Kitchen	525	98	02/29/1984
	A7	4,091,053	05/23/1978	Kitchen	260	880	06/24/1976

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Samseth et al., "Microphase-Separated Tapered Triblock Copolymers," <i>Journal De Physique IV</i> 3:59-62 (1993)
	C2	Smith et al., "Determination of the Phase Diagram for a New Class of Block Copolymers: 'Random-Diblock' Copolymers," <i>Polymer Preprints</i> 35:651-652 (1994)
	C3	Ashraf et al., "Synthesis and Morphological Studies of Random Styrene-Diene Copolymers and 'Random-Diblock' Copolymers," <i>Polymer Preprints</i> 35:581-582 (1994)
	C4	Smith et al., "Synthesis and Characterization of PS-PI and PS-PBD Random Copolymers and 'Random-Block' Copolymers via Anionic Polymerizations," <i>Polymer Preprints</i> 34:672-673 (1993)

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



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Applicants

Nathan E. Stacy/Larry L. Nash/John D. Hottovy

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U.S. Patent Documents

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Foreign Patent Documents

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Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C5	Smith et al., "Styrene-Diene Random Copolymers, 'Random-Diblocks' and A-(A/B)-B Triblocks," <i>Polymer Preprints</i> 37:639-640 (1996)
	C6	Smith et al., "Styrene-Diene Random Copolymers, Blends and 'Random-Diblock' Copolymers," <i>Polymer Preprints</i> 35:466-467 (1994)
	C7	Jing et al., "Copolymerization of 2-Cyanomethyl-1,3-Butadiene with Styrene and Acrylonitrile," <i>Polymer Preprints</i> 41:44-45 (2000)
	C8	Xenidou et al., "Morphology of Model Multigraft Copolymers with Randomly Placed Trifunctional and Tetrafunctional Branch Points," <i>Polymer Preprints</i> 40:150-151 (1999)
	C9	Guerrero-Santos et al., "Facile Side-Chain Functionalization of Polybutadiene and its Use to Prepare Graft Copolymers," <i>Polymer Preprints</i> 40:75-76 (1999)
	C10	Markova et al., "The Range and Properties of Styrene-Butadiene Rubbers," <i>Polymer Preprints</i> 37:732 (1996)
	C11	Halasa et al., "Preparation and Characterization of a Perfectly Random Solution SBR Using Modified Organolithium Catalyst," <i>Polymer Preprints</i> 37:708-709 (1996)
	C12	Arest-Yakubovich et al., "Synthesis of High Vinyl Styrene-Butadiene Random Copolymers with a New Soluble Organosodium Initiator," <i>Polymer Preprints</i> 35:544-545 (1994)
	C13	Kendall et al., "A Fundamental Adsorption Study of Poly(styrene-B-4-hydroxybutene)s," <i>Polymer Preprints</i> 34:303-304 (1993)
	C14	Le-Khac et al., "Transparent Impact Thermoplastics Based on Highly Branched Block Polymers," <i>Polymer Preprints</i> 30:275-276 (1989)

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